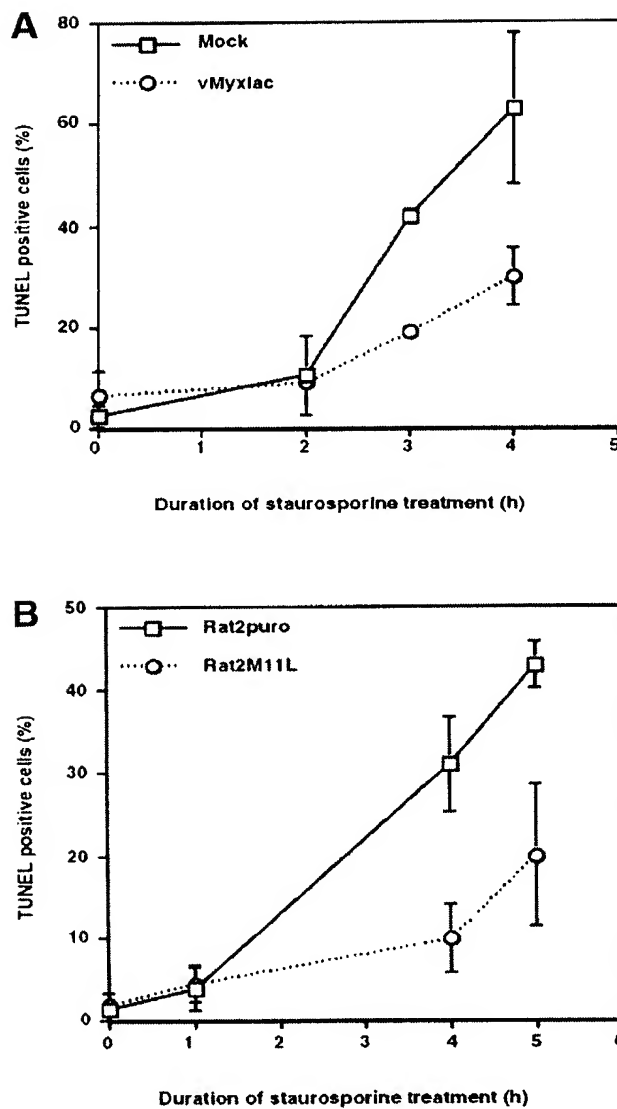
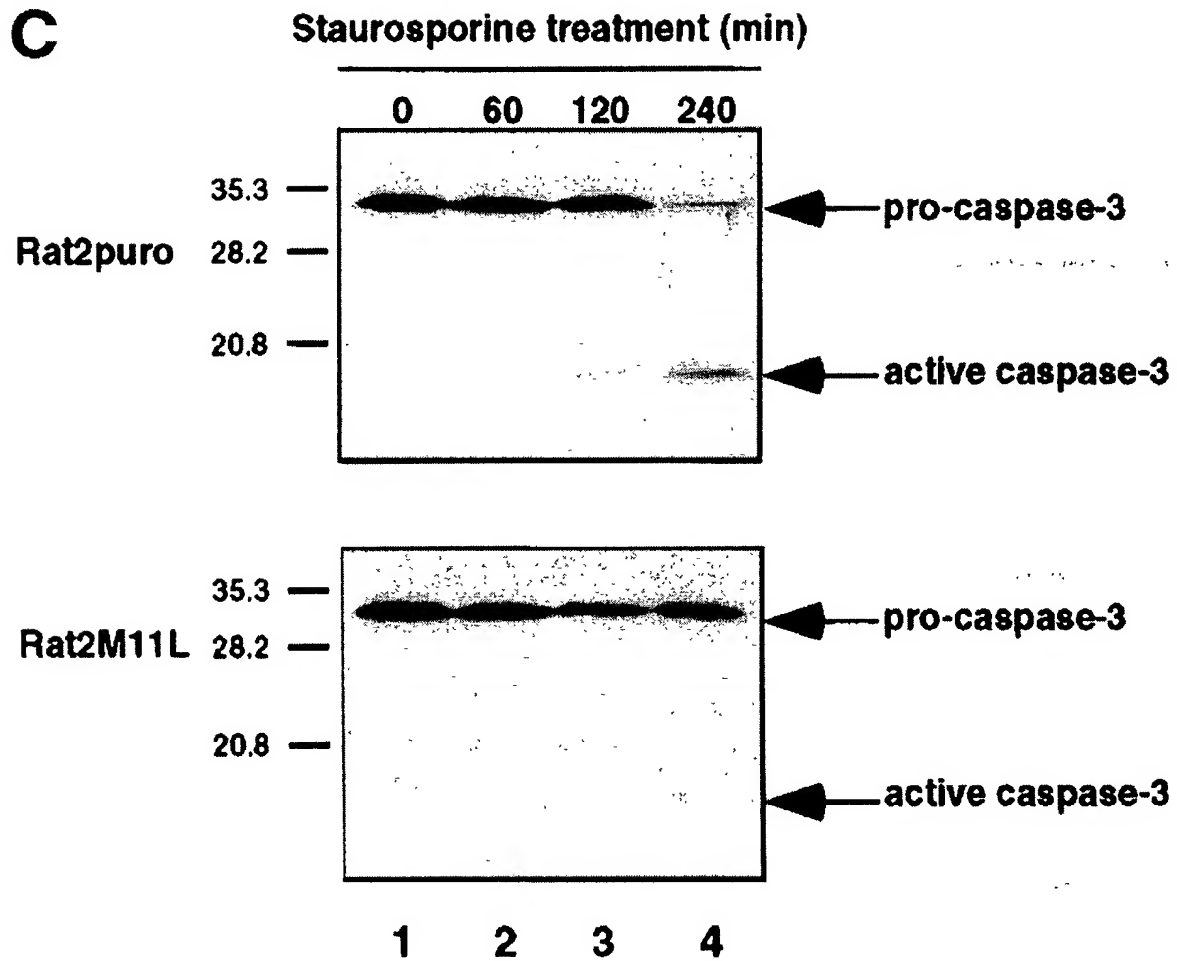
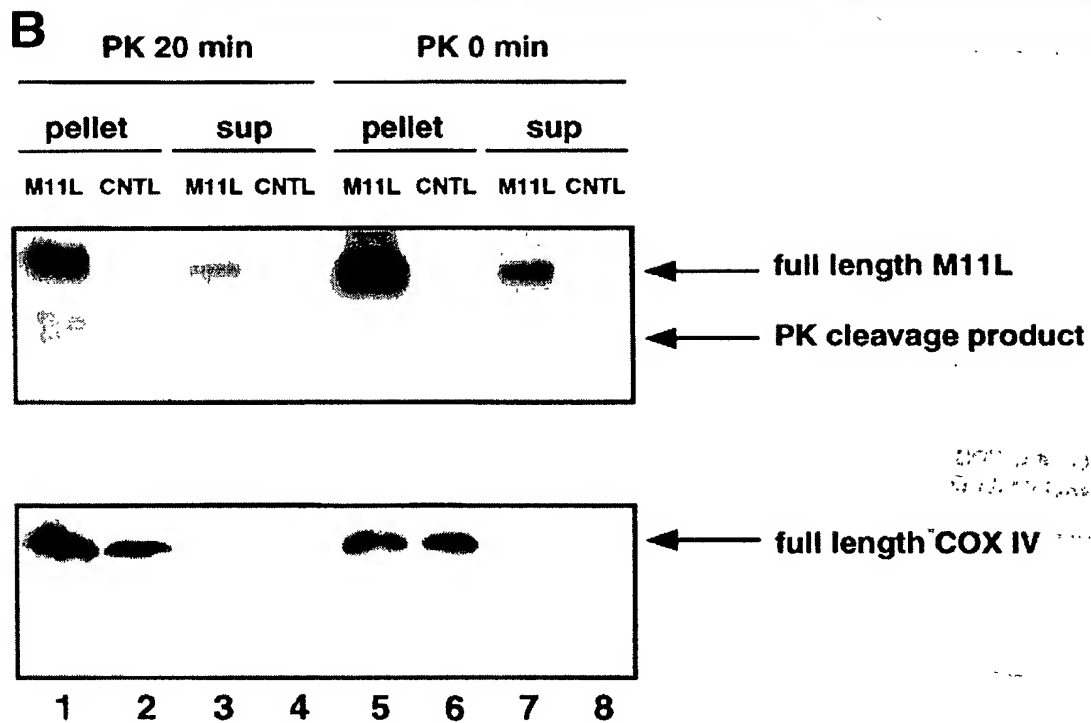
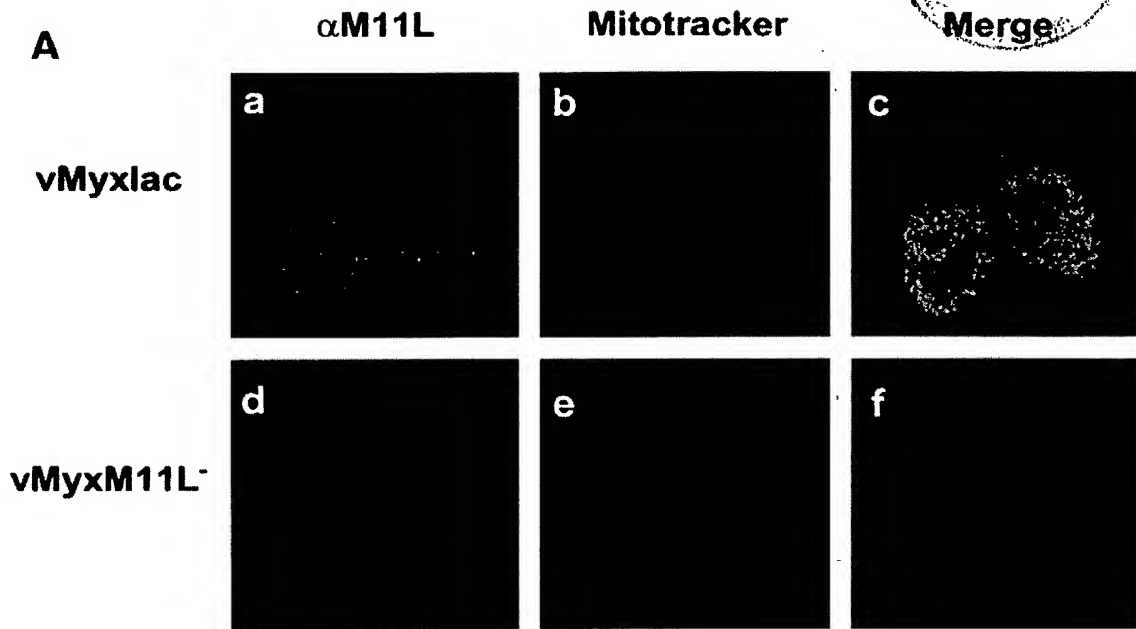


**Figure 1**

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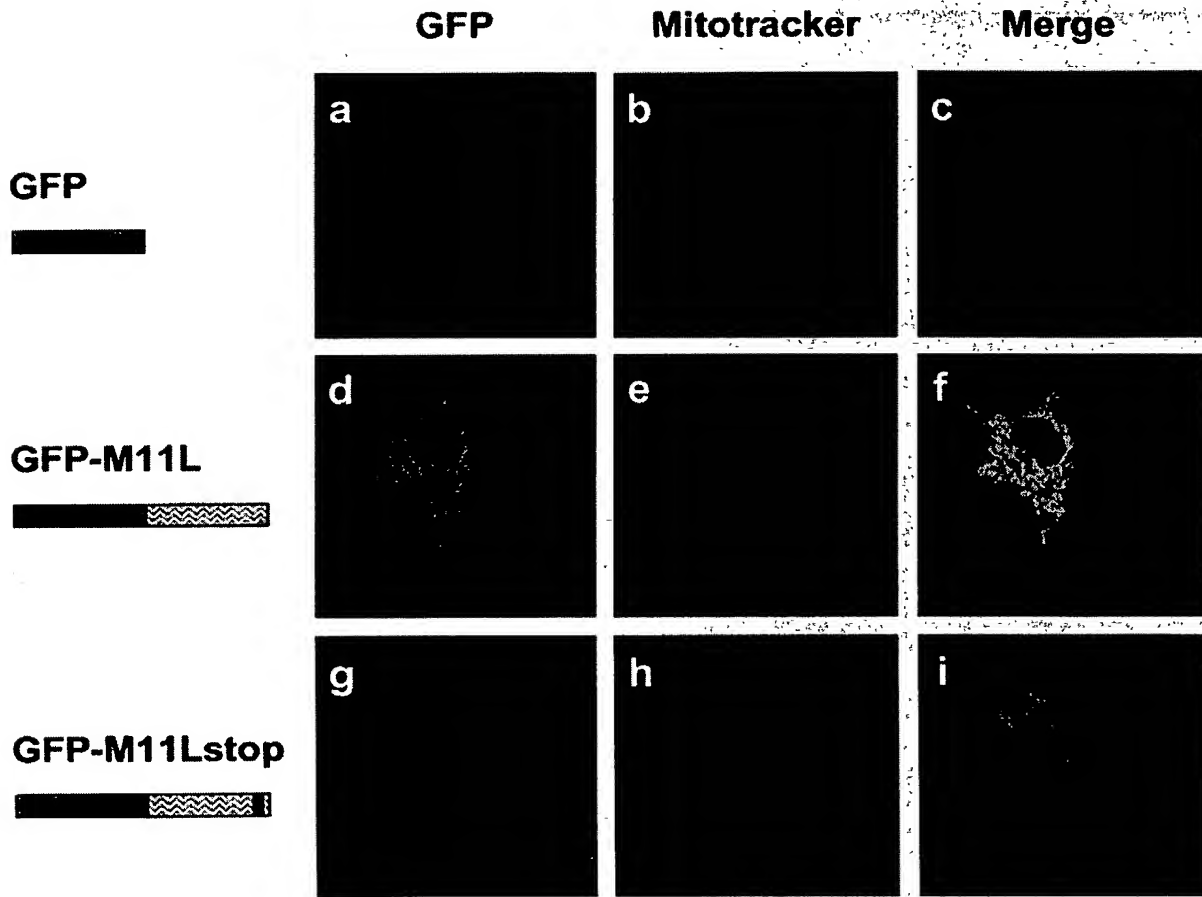


**Figure 2**



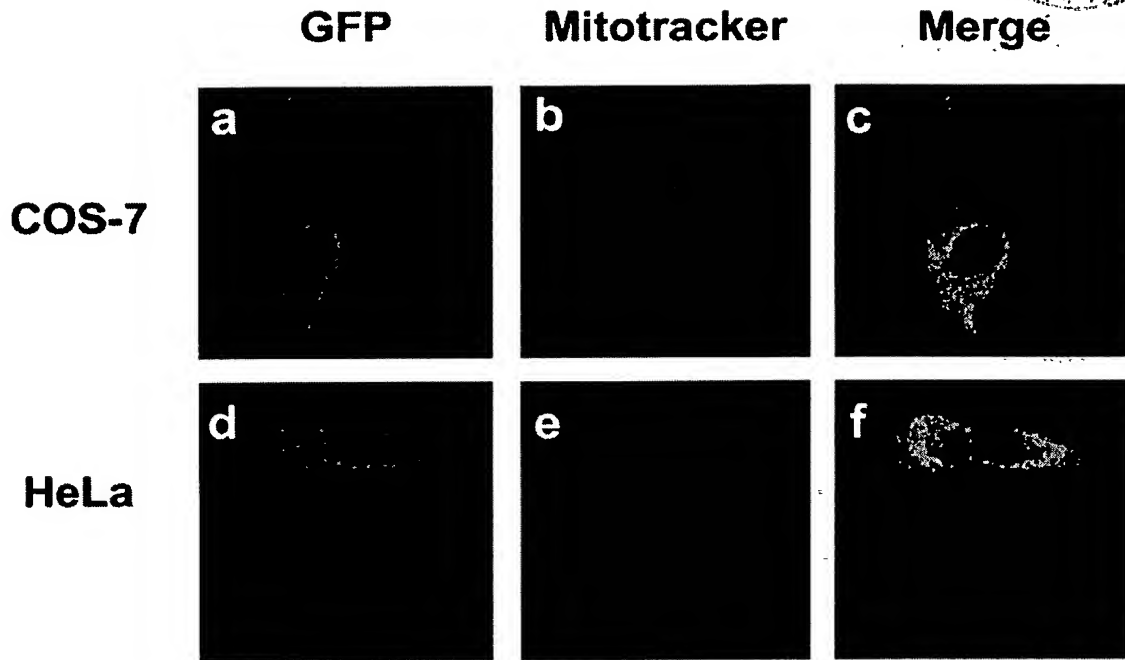


**Figure 3**





**Figure 4**



**GFP**

 **mt**

**mt = KISVYLTAAVVG FVAYGILKWYRGT**

+

+

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**Figure 5**

				domain is a mitochondrial targeting signal	domain is required for function
M11L	K	ISVYLTAADVGFVAYGIL	K WYRGT	Y	Y
Bcl-2	K	TLLSLALVGACITLGAYLS	K K	Y	Y/N
Bcl-X <sub>L</sub>	K	WFLTGMTVAGVVLLGSLFS	K K	Y	Y/N
Boo/Diva	K	LLIQAFLSGFFATAIFFIW	K RL	?	?
CED-9	K	WSMIGAGVTAGAIGIVGVVCG	K MMFSLE	?	?
BHRF-1	K	FSWTLFLAGLTLSLLVICSYLFIS	K GRH	Y	Y
KSbcl-2	K	MTALLGSIALLATILAAVAMS	K R	?	?
Nip3	K	VFLPSLLLSHLLAIGLGIYIG	K RLTTSTSTF	Y	Y
Nix	K	VFIPSLFLSHVLALGLGIYIG	K RLSTPSA	Y	Y

positive  
charge

18-24 aa putative  
membrane-spanning domain

positive  
charge

positive  
tail

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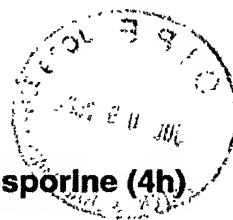
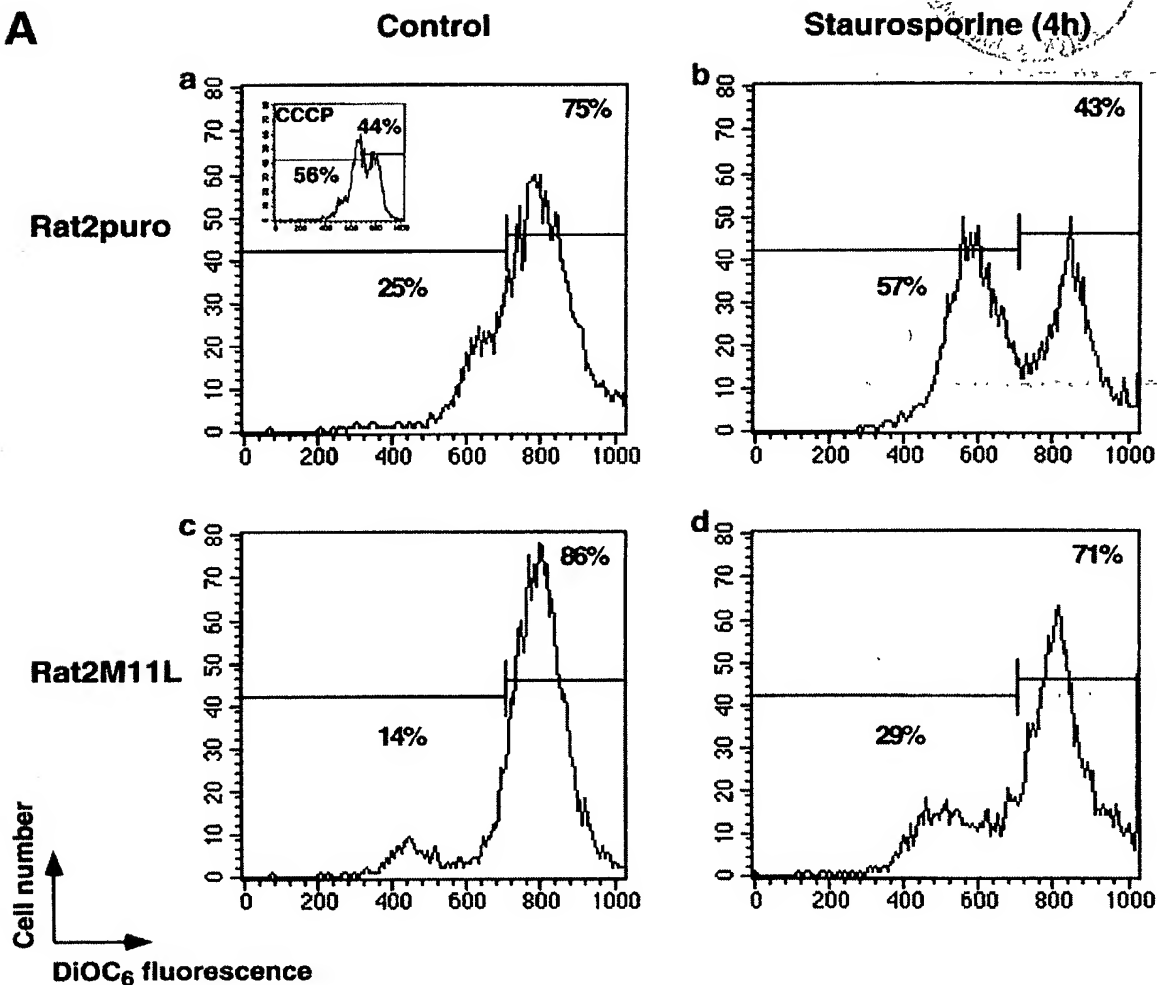


Figure 6

A

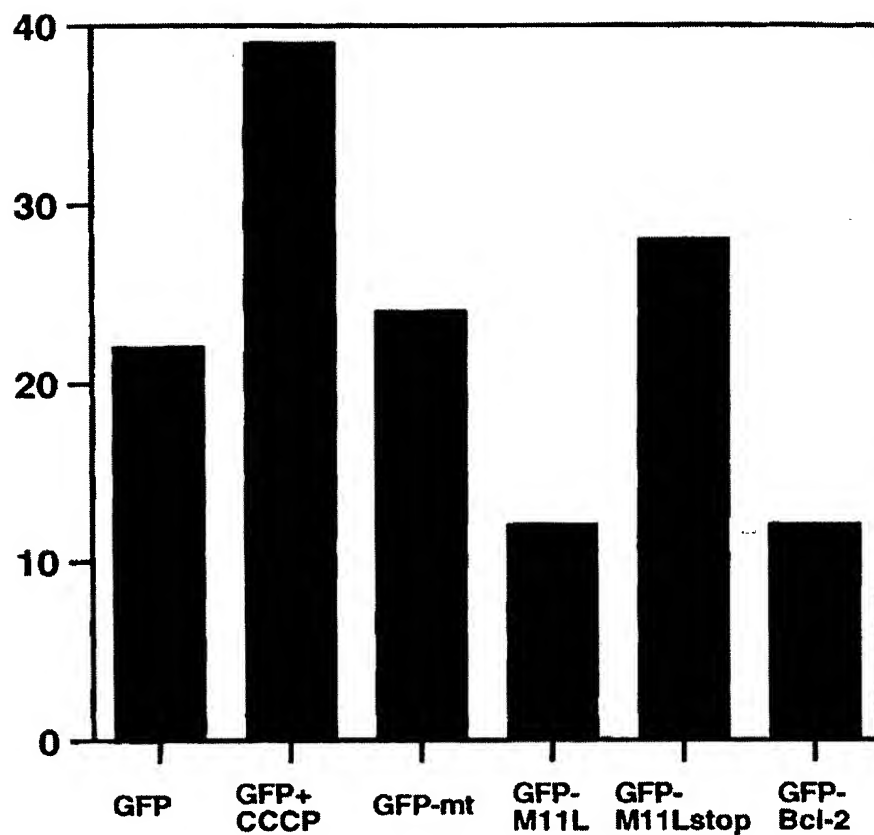


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10 00 00 00 00

Figure 6 (con't)

**B**

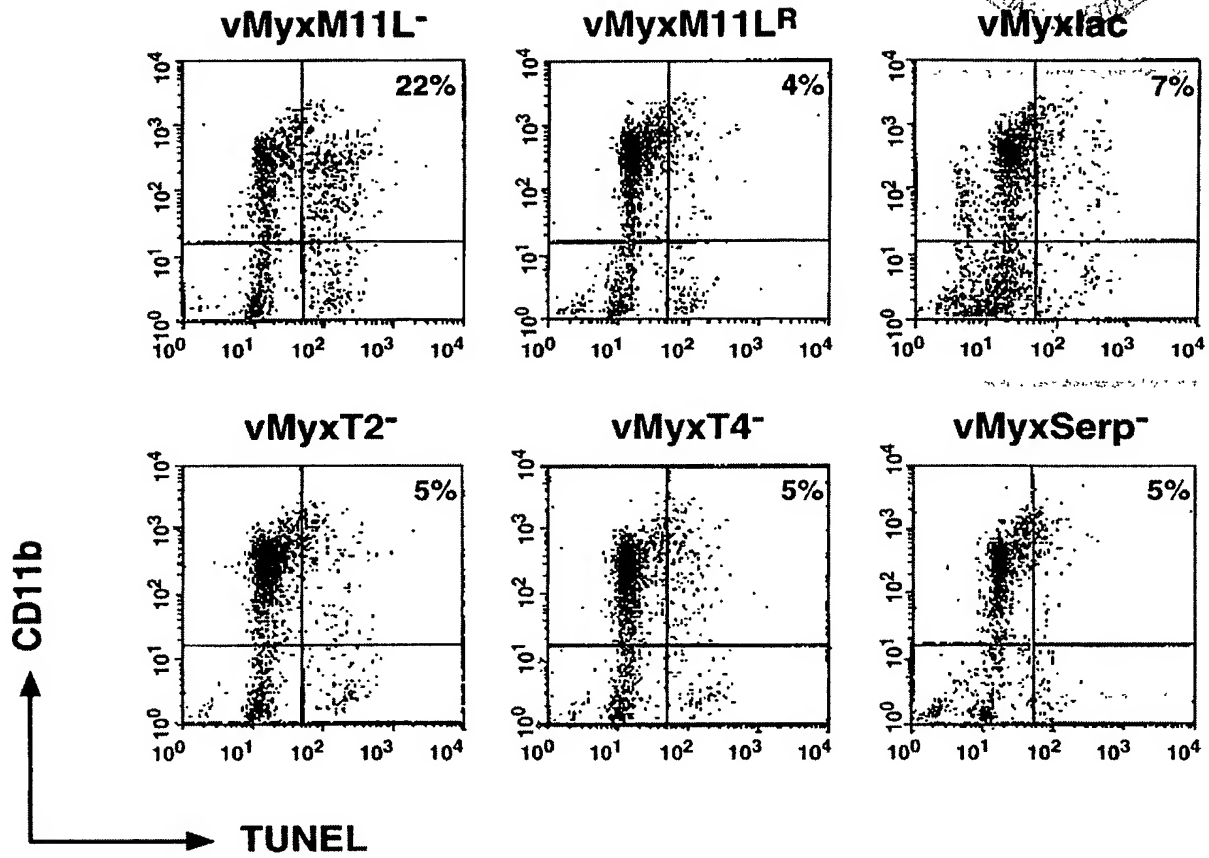
Average percent difference in TMRE positive cells following apoptosis induction



GFP construct expressed by cells



Figure 7



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## Process to Identify M11L-interacting Proteins

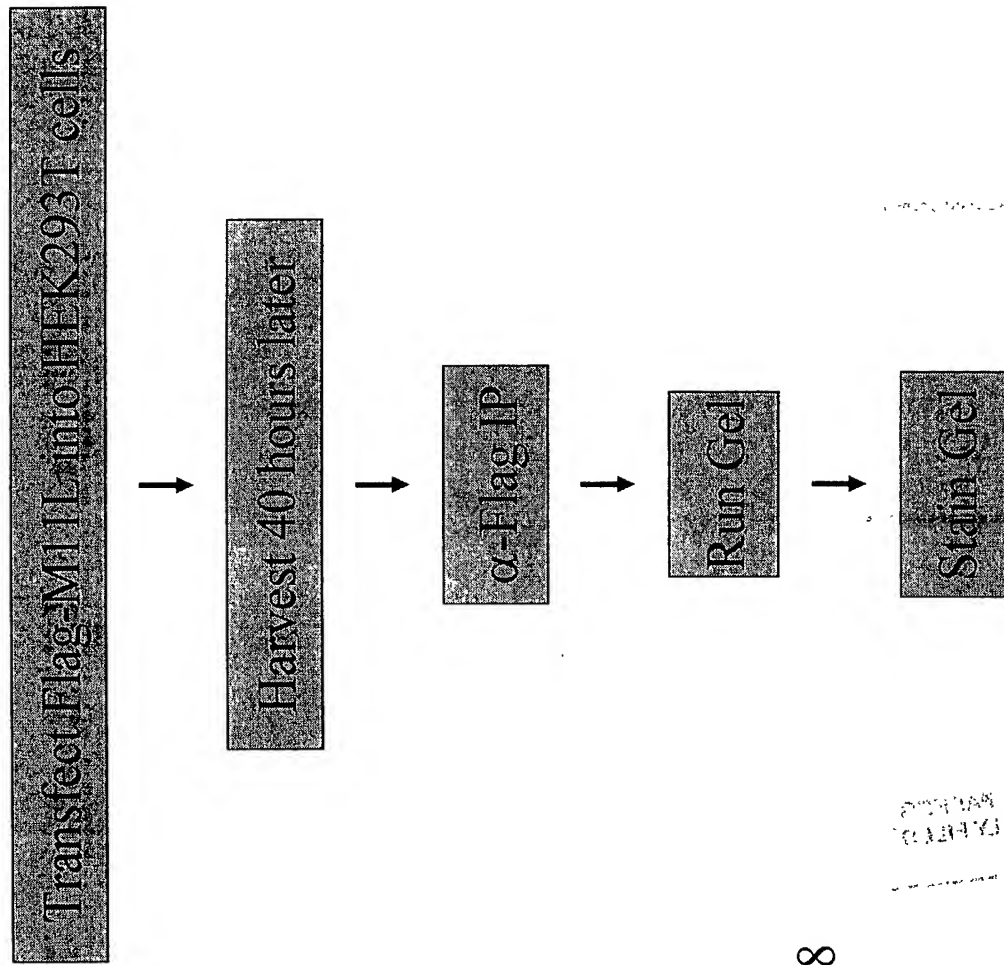


Figure 8

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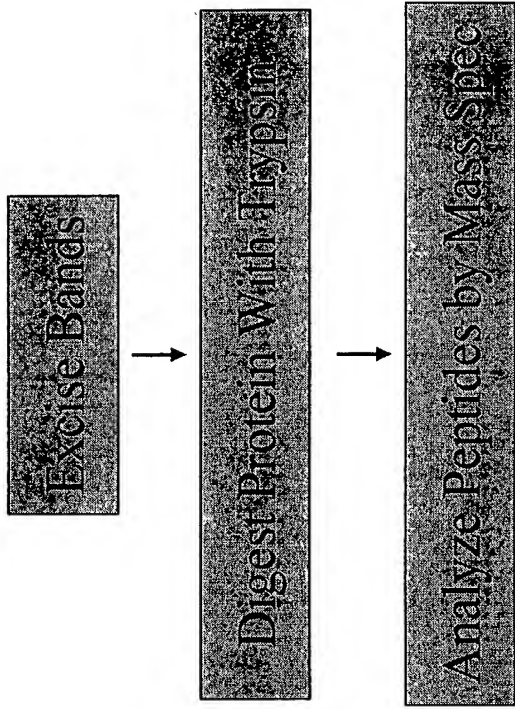
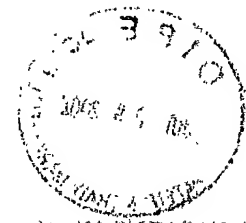
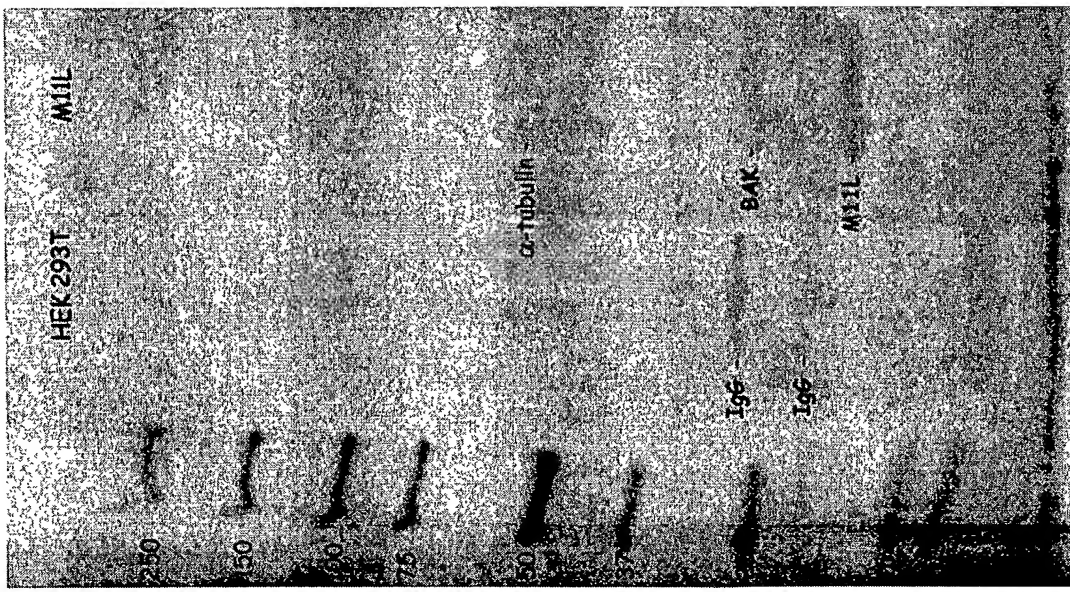
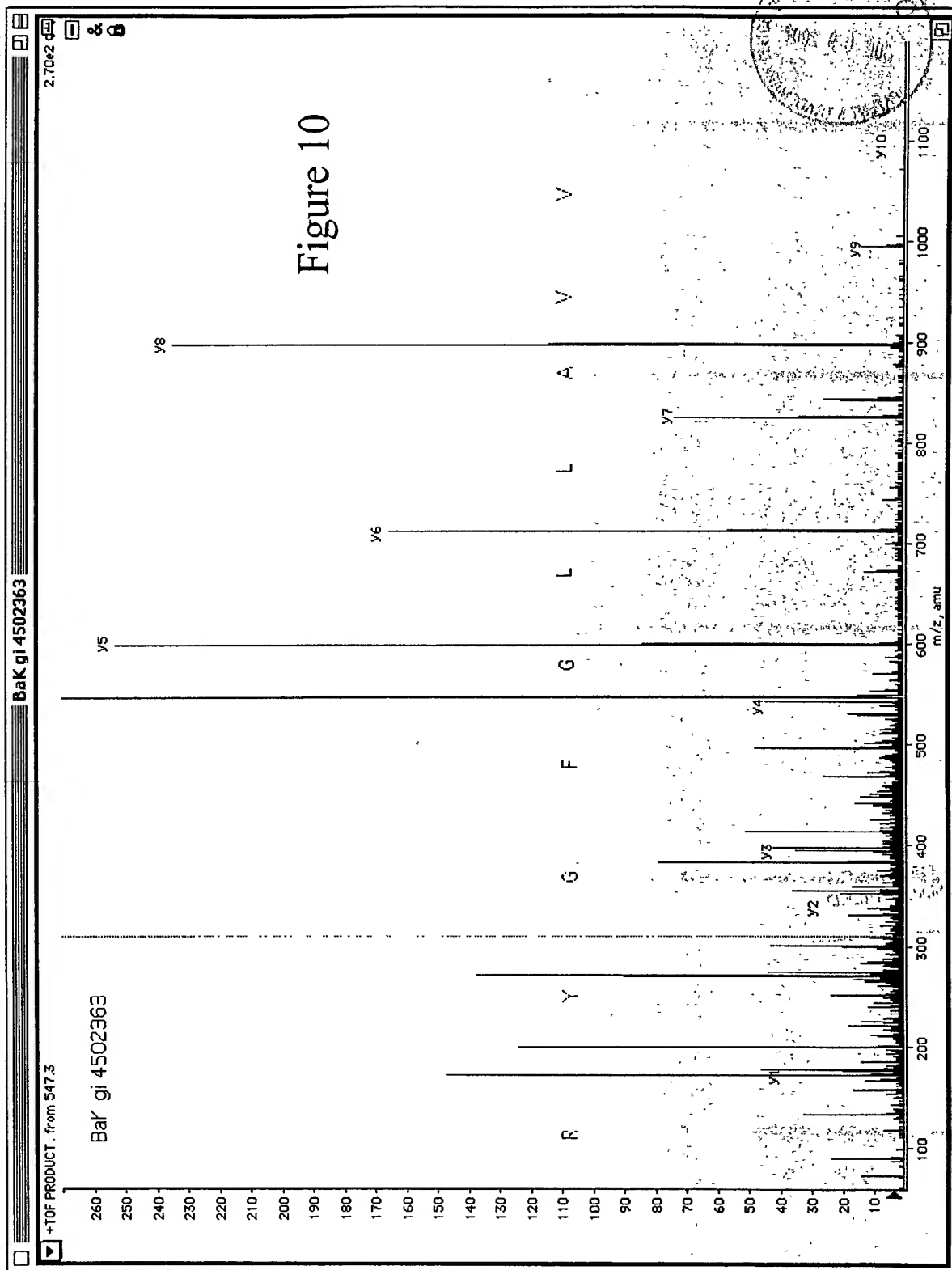


Figure 9



016 2008 2 1 100

10099140 170000



Bak, a Bcl2 family member, was identified  
by Mass Spec

MASGQGGPPRQECGEPALPSASEEQVAQD

TEEVFRSYVFYRHHQEQEAEGVAAPADPEM

VTLPLQPSSTMGQVGR**QLAIGDDINR**RYD

SEFQTMLQLQPTAENAYEYFTK**IATSLFE**

**SGINWGRVVALLGFGYR**LALHVVYQH

GLTGFLGQVTRFVWDFMLHHCIARWIAQRGGWVA

ALNLGNPILNVLVLGWVLLGQFVVRFFKS

Figure 11



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